

## CLAIMS

1. A balloon catheter having an expandable balloon at the tip part of a shaft, characterized in that a hollow shaft formed of a balloon material is inserted into a hollow shaft formed of a shaft material, and the tip part of the inside hollow shaft is projected from the tip end of the outside hollow shaft so that the expandable balloon is formed of the projected portion of the inside hollow shaft.
2. The balloon catheter according to claim 1, wherein the tip end of the inside hollow shaft is closed up with a cap formed of the shaft material.
3. The balloon catheter according to claim 1 or 2, wherein after insertion of a guide wire or other core material into the inside hollow shaft, said guide wire or other core material is secured to the tip part of the inside hollow shaft.
4. The balloon catheter according to claim 3, wherein the guide wire or other core material is provided with one or more lumens.
5. The balloon catheter according to any one of claims 1 to 3, wherein the inside hollow shaft is provided with more than one lumen.
6. The balloon catheter according to any one of claims 1 to 5,

wherein the outside hollow shaft is formed of polytetrafluoroethylene.

7. The balloon catheter according to any one of claims 1 to 6,  
5 wherein the inside hollow shaft is formed of silicone.

8. The balloon catheter according to any one of claims 1 to 5  
and 7, wherein the outside hollow shaft is formed of soft metal.

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